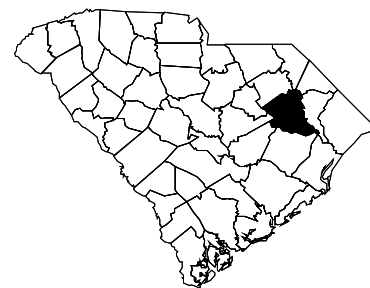


# IMPACT OF CHRONIC CONDITIONS FLORENCE County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer's disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of Florence county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Florence county's population is similar to the state population. The majority (37%) of the population in Florence county are between the ages of 18-44, and there are more females (53%) than males (47%). However, Florence county has a higher minority population (42%) than the state (31%). When adults in DHEC's Region 4, which includes Florence County, were asked about their general health status, 79.1% reported having excellent, very good, or good health in 2005 (SC was 82%).

	FLORENCE	STATE
<b>Population size</b>	131,097	4,255,083
<b>Age distribution (%)</b>		
<18	25	24
18-44	37	38
45-64	26	25
65-84	11	11
85+	2	2
<b>Race (%)</b>		
White	58	69
Black & Other	42	31
<b>Sex (%)</b>		
Male	47	49
Female	53	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Florence County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	28	22
Sedentary lifestyle	38	26
Overweight	63	65
High Cholesterol	31	37

Some preventive measures such as immunization were included in the 2005 SC BRFSS. For persons age 65 and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.4% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

<b>HYPERTENSION AND HYPERTENSIVE DISEASE</b>	<b>County</b>					<b>State</b>
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	31.9	.	.	.	.	31.7
Number of hospitalizations	322	212	109	135	187	5,032
Crude rate of hospitalizations (per 100,000)	246	385	143	218	271	118
Median age of hospitalized patients	62	52	72	57	62	57
Total cost of hospitalization (\$)	7,297,100	5,056,700	2,240,400	3,197,100	4,100,000	109,400,500
Average length of hospital stay (days)	5	5	5	4	6	5
Number of ED visits	357	266	91	130	227	7,466
Crude rate of ED visits (per 100,000)	272	483	120	210	329	175
Median age of ED patients	52	52	57	52	52	52
Total cost of ED visits (\$)	507,100	360,000	147,100	186,400	320,700	9,929,000
Number of deaths**	9	4	5	4	5	423
Age-Adjusted Death rate (per 100,000)**	7	10	6	8	6	10

<b>DISEASES OF THE HEART</b>	<b>County</b>					<b>State</b>
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.3	.	.	.	.	4.1
Number of hospitalizations	3,054	1,071	1,983	1,581	1,473	60,901
Crude rate of hospitalizations (per 100,000)	2,330	1,943	2,610	2,550	2,132	1,431
Median age of hospitalized patients	67	62	67	67	72	67
Total cost of hospitalization (\$)	111,467,800	34,819,900	76,647,900	64,750,400	46,717,400	2,286,836,400
Average length of hospital stay (days)	5	6	5	5	6	5
Number of ED visits	463	212	251	240	223	12,989
Crude rate of ED visits (per 100,000)	353	385	330	387	323	305
Median age of ED patients	62	62	62	62	62	62
Total cost of ED visits (\$)	1,284,500	582,000	702,500	674,100	610,400	42,115,900
Number of deaths**	392	136	256	206	186	9,328
Age-Adjusted Death rate (per 100,000)**	298	323	289	403	225	218

<b>STROKE</b>	<b>County</b>					<b>State</b>
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	3.5	.	.	.	.	3
Number of hospitalizations	790	320	470	353	437	13,925
Crude rate of hospitalizations (per 100,000)	603	580	619	569	632	327
Median age of hospitalized patients	67	62	72	67	72	72
Total cost of hospitalization (\$)	22,629,300	9,397,800	13,231,500	10,756,900	11,872,400	384,441,600
Average length of hospital stay (days)	6	7	6	7	6	6
Number of ED visits	67	33	34	28	39	2,515
Crude rate of ED visits (per 100,000)	51	60	45	45	56	59
Median age of ED patients	67	62	72	57	72	67
Total cost of ED visits (\$)	232,800	117,700	115,100	94,800	138,000	9,113,000
Number of deaths**	94	44	50	46	48	2,440
Age-Adjusted Death rate (per 100,000)**	72	105	57	90	57	59

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	931	344	587	383	548	15,753
Crude rate of hospitalizations (per 100,000)	710	624	773	618	793	370
Median age of hospitalized patients	62	57	62	62	62	62
Total cost of hospitalization (\$)	13,865,400	4,500,700	9,364,700	5,598,400	8,267,000	268,425,300
Average length of hospital stay (days)	4	4	4	4	4	5
Number of ED visits	2,099	1,289	810	936	1,163	36,543
Crude rate of ED visits (per 100,000)	1,601	2,338	1,066	1,510	1,683	859
Median age of ED patients	32	27	42	27	37	37
Total cost of ED visits (\$)	2,264,200	1,289,200	975,000	1,000,300	1,263,900	40,613,700
Number of deaths**	64	11	53	34	30	1,968
Age-Adjusted Death rate (per 100,000)**	48	26	59	63	37	46

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	12.2	.	.	.	.	10.3
Number of hospitalizations	558	370	186	264	294	9,027
Crude rate of hospitalizations (per 100,000)	426	671	245	426	426	212
Median age of hospitalized patients	55	52	57	52	57	52
Total cost of hospitalization (\$)	11,367,200	7,630,500	3,736,700	5,891,200	5,476,000	179,747,700
Average length of hospital stay (days)	6	6	5	6	6	6
Number of ED visits	513	384	129	211	302	9,603
Crude rate of ED visits (per 100,000)	391	697	170	340	437	226
Median age of ED patients	52	52	57	52	57	52
Total cost of ED visits (\$)	791,400	594,200	197,200	324,700	466,700	13,447,300
Number of deaths**	50	24	26	21	29	1,183
Age-Adjusted Death rate (per 100,000)**	36	54	28	38	36	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	783	291	492	391	392	16,389
Crude rate of hospitalizations (per 100,000)	597	528	648	631	567	385
Median age of hospitalized patients	67	62	67	67	62	62
Total cost of hospitalization (\$)	31,104,800	11,567,400	19,537,400	16,066,200	15,038,600	664,309,500
Average length of hospital stay (days)	8	9	7	8	7	8
Number of deaths**	286	106	180	153	133	8,617
Age-Adjusted Death rate (per 100,000)**	217	252	201	303	168	196

COLORECTAL CANCED	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	94	43	51	45	49	2,070
Crude rate of hospitalizations (per 100,000)	72	78	67	73	71	49
Median age of hospitalized patients	67	62	67	62	67	67
Total cost of hospitalization (\$)	5,815,400	2,283,200	3,532,200	2,862,500	2,952,900	101,377,700
Average length of hospital stay (days)	12	11	12	12	11	10
Number of deaths**	30	14	16	15	15	812
Age-Adjusted Death rate (per 100,000)**	23	37	18	32	19	19

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	84	23	61	-	84	1,228
Crude rate of hospitalizations (per 100,000)	122	79	152	-	112	56
Median age of hospitalized patients	62	57	62	-	62	62
Total cost of hospitalization (\$)	1,753,100	524,600	1,228,500	-	1,753,100	26,163,000
Average length of hospital stay (days)	3	3	3	-	3	3
Number of deaths**	22	8	14	-	22	651
Age-Adjusted Death rate (per 100,000)**	28	28	27	-	28	26

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	13	7	6	-	13	192
Crude rate of hospitalizations (per 100,000)	19	24	15	-	19	9
Median age of hospitalized patients	57	57	52	-	57	47
Total cost of hospitalization (\$)	263,500	154,500	109,000	-	263,500	4,668,500
Average length of hospital stay (days)	5	6	3	-	5	4
Number of deaths**	3	2	1	-	3	63
Age-Adjusted Death rate (per 100,000)**	4	8	2	-	4	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	111	19	92	74	37	2,181
Crude rate of hospitalizations (per 100,000)	85	34	121	119	54	51
Median age of hospitalized patients	67	57	67	67	67	67
Total cost of hospitalization (\$)	4,487,200	513,000	3,974,200	3,065,900	1,421,300	92,775,300
Average length of hospital stay (days)	7	7	8	8	7	9
Number of deaths**	90	23	67	59	31	2,703
Age-Adjusted Death rate (per 100,000)**	69	54	75	116	40	61

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	33	20	13	33	-	1,209
Crude rate of hospitalizations (per 100,000)	53	77	36	83	-	58
Median age of hospitalized patients	62	62	72	62	-	62
Total cost of hospitalization (\$)	934,200	650,900	283,300	934,200	-	30,356,600
Average length of hospital stay (days)	6	8	2	6	-	4
Number of deaths**	10	5	5	10	-	460
Age-Adjusted Death rate (per 100,000)**	22	38	17	22	-	30

\*Prevalence estimates at regional level

\*\*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

All hospitalizations of Blacks include Blacks and Others.

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